

DATE: 08/01/2000
TIME: 11:11:15

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RAW SEQUENCE LISTING DATE: 08/01/2000
 PATENT APPLICATION: US/09/343,406 TIME: 11:11:15

Input Set : A:\343406.txt
 Output Set: N:\CRF3\08012000\I343406.raw

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68      (i) SEQUENCE CHARACTERISTICS:
69          (A) LENGTH: 8 amino acids
70          (B) TYPE: amino acid
71          (C) STRANDEDNESS:
72          (D) TOPOLOGY: linear
74      (ii) MOLECULE TYPE: peptide
77      (ix) FEATURE:
78          (A) NAME/KEY: Peptide
79          (B) LOCATION: 1
80          (D) OTHER INFORMATION: /note= "Xaa in position 1 is an
81 optional sequence selected from 1 to 10 amino acids."
83      (ix) FEATURE:
84          (A) NAME/KEY: Peptide
85          (B) LOCATION: 6
86          (D) OTHER INFORMATION: /note= "Xaa in position 6 is Thr or Glu."
88      (ix) FEATURE:
89          (A) NAME/KEY: Peptide
90          (B) LOCATION: 8
91          (D) OTHER INFORMATION: /note= "Xaa in position 8 is
92 an optional sequence selected from 1 to 8 amino acids."
95      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 97      Xaa Pro Glu Val Lys Xaa Lys Xaa
98          1          5
100 (2) INFORMATION FOR SEQ ID NO: 2:
102      (i) SEQUENCE CHARACTERISTICS:
103          (A) LENGTH: 25 amino acids
104          (B) TYPE: amino acid
105          (C) STRANDEDNESS:
106          (D) TOPOLOGY: linear
108      (ii) MOLECULE TYPE: peptide
112      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
114      Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser
115          1          5          10          15
117      His Phe Ser Leu Lys Lys Gly Ala Ala
118          20          25
120 (2) INFORMATION FOR SEQ ID NO: 3:
122      (i) SEQUENCE CHARACTERISTICS:
123          (A) LENGTH: 20 amino acids
124          (B) TYPE: amino acid
125          (C) STRANDEDNESS:
126          (D) TOPOLOGY: linear
128      (ii) MOLECULE TYPE: peptide
131      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
133      Glu Arg Gly Lys Met Ile Pro Ser Asp Leu Glu Arg Arg Ile Leu Glu
134          1          5          10          15
136      Ala Lys Gln Lys
137          20
139 (2) INFORMATION FOR SEQ ID NO: 4:
141      (i) SEQUENCE CHARACTERISTICS:

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142      (A) LENGTH: 14 amino acids
143      (B) TYPE: amino acid
144      (C) STRANDEDNESS:
145      (D) TOPOLOGY: linear
147      (ii) MOLECULE TYPE: peptide
150      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
152      Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe
153      1          5          10
155 (2) INFORMATION FOR SEQ ID NO: 5:
157      (i) SEQUENCE CHARACTERISTICS:
158          (A) LENGTH: 20 amino acids
159          (B) TYPE: amino acid
160          (C) STRANDEDNESS:
161          (D) TOPOLOGY: linear
163      (ii) MOLECULE TYPE: peptide
167      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
169      Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser
170      1          5          10          15
172      His Phe Ser Leu
173      20
175 (2) INFORMATION FOR SEQ ID NO: 6:
177      (i) SEQUENCE CHARACTERISTICS:
178          (A) LENGTH: 20 amino acids
179          (B) TYPE: amino acid
180          (C) STRANDEDNESS:
181          (D) TOPOLOGY: linear
183      (ii) MOLECULE TYPE: peptide
187      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
189      Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser
190      1          5          10          15
192      Leu Lys Lys Gly
193      20
195 (2) INFORMATION FOR SEQ ID NO: 7:
197      (i) SEQUENCE CHARACTERISTICS:
198          (A) LENGTH: 20 amino acids
199          (B) TYPE: amino acid
200          (C) STRANDEDNESS:
201          (D) TOPOLOGY: linear
203      (ii) MOLECULE TYPE: peptide
205      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
207      Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu Lys Lys
208      1          5          10          15
210      Gly Ala Ala Ala
211      20
213 (2) INFORMATION FOR SEQ ID NO: 8:
215      (i) SEQUENCE CHARACTERISTICS:
216          (A) LENGTH: 20 amino acids
217          (B) TYPE: amino acid
218          (C) STRANDEDNESS:

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219      (D) TOPOLOGY: linear
221      (ii) MOLECULE TYPE: peptide
225      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
227      Pro Glu Val Lys Glu Lys Gly Met Ala Ala Leu Pro Arg Leu Ile Ala
228      1             5             10             15
230      Phe Thr Ser Glu
231      20
233 (2) INFORMATION FOR SEQ ID NO: 9:
235      (i) SEQUENCE CHARACTERISTICS:
236          (A) LENGTH: 18 amino acids
237          (B) TYPE: amino acid
238          (C) STRANDEDNESS:
239          (D) TOPOLOGY: linear
241      (ii) MOLECULE TYPE: peptide
245      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
247      Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe
248      1             5             10             15
250      Ser Leu
253 (2) INFORMATION FOR SEQ ID NO: 10:
255      (i) SEQUENCE CHARACTERISTICS:
256          (A) LENGTH: 16 amino acids
257          (B) TYPE: amino acid
258          (C) STRANDEDNESS:
259          (D) TOPOLOGY: linear
261      (ii) MOLECULE TYPE: peptide
265      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
267      Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe
268      1             5             10             15
271 (2) INFORMATION FOR SEQ ID NO: 11:
273      (i) SEQUENCE CHARACTERISTICS:
274          (A) LENGTH: 14 amino acids
275          (B) TYPE: amino acid
276          (C) STRANDEDNESS:
277          (D) TOPOLOGY: linear
279      (ii) MOLECULE TYPE: peptide
282      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
284      Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser
285      1             5             10
287 (2) INFORMATION FOR SEQ ID NO: 12:
289      (i) SEQUENCE CHARACTERISTICS:
290          (A) LENGTH: 12 amino acids
291          (B) TYPE: amino acid
292          (C) STRANDEDNESS:
293          (D) TOPOLOGY: linear
295      (ii) MOLECULE TYPE: peptide
299      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
301      Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu
302      1             5             10
304 (2) INFORMATION FOR SEQ ID NO: 13:

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306      (i) SEQUENCE CHARACTERISTICS:
307          (A) LENGTH: 14 amino acids
308          (B) TYPE: amino acid
309          (C) STRANDEDNESS:
310          (D) TOPOLOGY: linear
312      (ii) MOLECULE TYPE: peptide
316      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
318      Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu
319      1             5             10
321 (2) INFORMATION FOR SEQ ID NO: 14:
323      (i) SEQUENCE CHARACTERISTICS:
324          (A) LENGTH: 12 amino acids
325          (B) TYPE: amino acid
326          (C) STRANDEDNESS:
327          (D) TOPOLOGY: linear
329      (ii) MOLECULE TYPE: peptide
333      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
335      Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr
336      1             5             10
338 (2) INFORMATION FOR SEQ ID NO: 15:
340      (i) SEQUENCE CHARACTERISTICS:
341          (A) LENGTH: 18 amino acids
342          (B) TYPE: amino acid
343          (C) STRANDEDNESS:
344          (D) TOPOLOGY: linear
346      (ii) MOLECULE TYPE: peptide
349      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
351      Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu
352      1             5             10             15
354      Lys Lys
357 (2) INFORMATION FOR SEQ ID NO: 16:
359      (i) SEQUENCE CHARACTERISTICS:
360          (A) LENGTH: 14 amino acids
361          (B) TYPE: amino acid
362          (C) STRANDEDNESS:
363          (D) TOPOLOGY: linear
365      (ii) MOLECULE TYPE: peptide
369      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
371      Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu
372      1             5             10
374 (2) INFORMATION FOR SEQ ID NO: 17:
376      (i) SEQUENCE CHARACTERISTICS:
377          (A) LENGTH: 14 amino acids
378          (B) TYPE: amino acid
379          (C) STRANDEDNESS:
380          (D) TOPOLOGY: linear
382      (ii) MOLECULE TYPE: peptide
386      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
388      Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe

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VERIFICATION SUMMARY DATE: 08/01/2000
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Input Set : A:\343406.txt
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L:34 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:35 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1